

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

#### **NOTICE OF ACCEPTANCE (NOA)**

KML Windows, Inc. 23 Buchanan Court London, Ontario, Canada N5Z 4P9

#### Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION:** Aluminum Clad Wood Operable Casement Window-N.I.

**APPROVAL DOCUMENT:** Drawing No.1227B, titled "Aluminum Clad Wood Operable Casement Window Non-Impact Windows", sheets 1 through 10 of 10, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 5/13/03, signed and sealed by Warren Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

#### MISSILE IMPACT RATING: None

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 00-1030.05 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Theodore Berman**, **P.E.** 

/25/2003 P

NOA No 03-0625.09 Expiration Date: September 27, 2004 Approval Date: October 16, 2003

Page 1

#### KML Windows, Inc.

#### **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No.**1227B**, titled "Aluminum Clad Wood Operable Casement Window Non-Impact Windows", sheets 1 through 10 of 10, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 5/13/03, signed and sealed by Warren Schaefer, P.E.

#### B. TESTS

#### Submitted under NOA# 00-1030.05

- 1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94 along with installation diagram of aluminum clad wood operable casement windows of different shapes, prepared by Intertek Testing Services NA Inc., Test Report No. **J99022770-231-01**, dated October 9, 2000, signed and sealed by Douglas Keith Tucker, P.E
- 2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94

along with installation diagram of aluminum clad wood operable casement windows of different shapes, prepared by Intertek Testing Services NA Inc., Test Report No. **J99022770-231-02**, dated October 10, 2000, signed and sealed by Douglas Keith Tucker, P.E

#### C. CALCULATIONS

 Anchor Calculations, and ASTM-E1300-98 Analysis dated 5/22/03, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren Schaefer, P.E.

#### Submitted under NOA# 00-1030.05

2. Anchor Calculations, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 9/25/00, signed and sealed by Warren W. Schaefer, PE.

Theodore Berman, P.E.

**Deputy Director, Product Control Division** 

NOA No 03-0625.09

Expiration Date: September 27, 2004 Approval Date: October 16, 2003

#### KML Windows, Inc.

#### **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

#### D. MATERIAL CERTIFICATIONS

Submitted under NOA# 00-1030.05

- 1. Notice of Acceptance No. **00-0524.06** issued to Nebula Glass International Inc. for "Glasslam Safety-Plus Laminated Glass" dated 9/21/00, expiring on 9/9/03.
- 2. Notice of Acceptance No. **02-0828.16** issued to E.I. DuPont DeNemours for "Dupont Butacite ® PVB" dated 11/21/02, expiring on 12/11/05.

#### E. QUALITY ASSURANCE

1. Miami-Dade County Building Code Compliance Office

#### F. STATEMENTS

1. None

#### F. OTHER

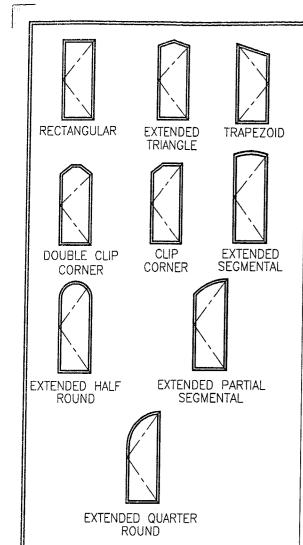
1. Notice of Acceptance No. **00-1030.05**, issued to KML Window, Inc., Aluminum Clad Wood Operable Casement Window, approved on 9/27/01 and expiring on 9/27/04.

Claratic Alexan Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-0625.09

Expiration Date: September 27, 2004 Approval Date: October 16, 2003



SHAPES CONSIDERED AS

PART OF THIS APPROVAL

### GENERAL NOTES

- 1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLES.
- BUCKING, OPENINGS & BUCKING FASTENERS MUST BE DESIGNED & INSTALLED TO WITHSTAND WIND LOADS AS DETERMINED FOR EA. APPLICATION.
- 3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
- 4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS PROPOSED FOR WATER, AIR & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH FLORIDA BUILDING CODE PROTOCOLS TAS 202 FOR NON—IMPACT WINDOWS.
- 5. ALL JAMB TO BUCKING SHEAR FASTENERS MUST PENETRATE BUCK A MINIMUM OF 1 1/4". IF PENETRATION IS LESS THAN 1 1/4" THEN SCREW LENGTH SHALL INCREASE AS REQUIRED.
- 6. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
- 7. THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH FLORIDA BUILDING CODE PROTOCOLS TAS-202.
- 8. FOR ALL NON-IMPACT WINDOWS, FLORIDA BUILDING CODE APPROVED SHUTTERS ARE REQUIRED.

NOTE: NUMBER OF LATCH POINTS & BUTT HINGES MAY VARY WITH UNIT HEIGHT PROVIDING END DISTANCES & SPACINGS DO NOT EXCEED THE MAXIMUMS SHOWN IN THESE ELEVATIONS.

NOTE: FOR COMBINATION OF UNITS. SEE SHEET 3 & MULLION DRAWING NO. 1003E UNDER SEPERATE APPROVAL

### ALLOWABLE DESIGN LOADS

SEE "LOAD TABLE" ON SHEET 9

| LATCH &          | HINGE QUANTIT                   | Y TABLE                   |
|------------------|---------------------------------|---------------------------|
| WINDOW<br>HEIGHT | NUMBER OF LATCH<br>POINTS REQ'D | NUMBER OF<br>HINGES REQ'D |
| 36"              | 2                               | 2                         |
| 42"              | 3                               | 2                         |
| 48"              | 3                               | 2                         |
| 54"              | 3                               | 3                         |
| 60"              | 4                               | 3                         |
| 66"              | 4                               | 3                         |
| 73"              | 5                               | 3                         |
| 78"              | 5                               | 3                         |
| 84"              | 5                               | 3                         |

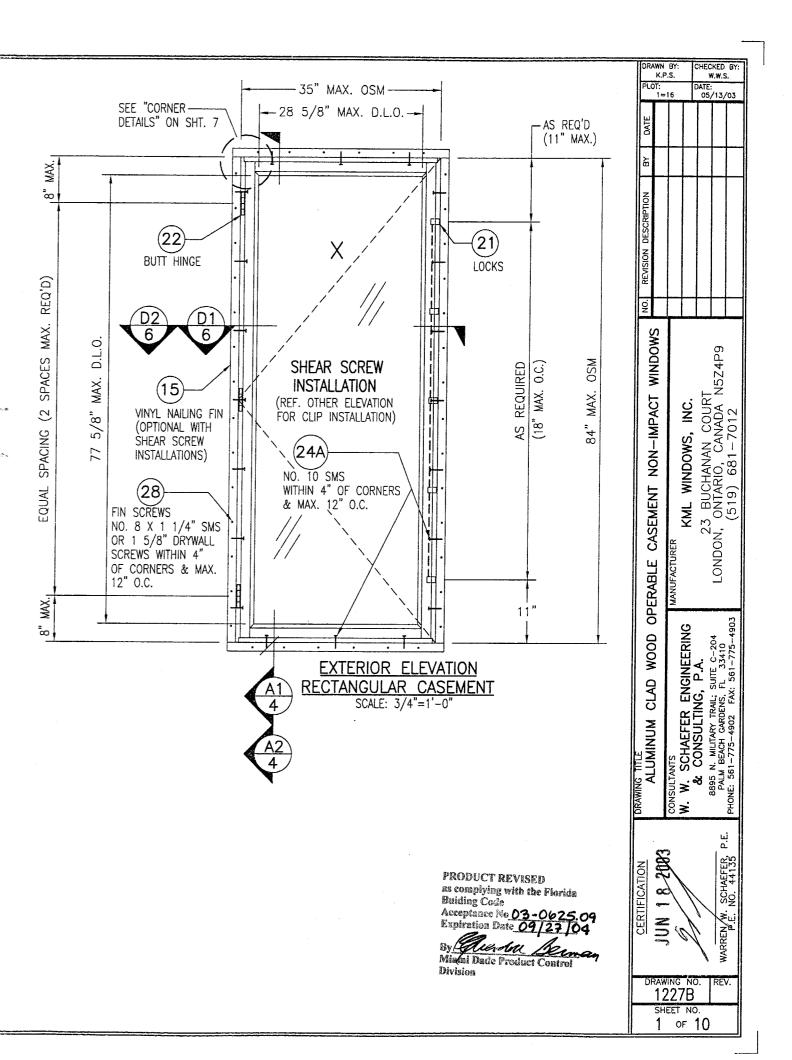
- 1. IF THE WINDOW HEIGHT FALLS BETWEEN HEIGHTS IN THIS TABLE, THE TALLER TABLE HEIGHT SHALL BE USED.
- 2. THE MINIMUM NUMBER OF LATCH POINTS OR HINGES USED MAY NOT BE LESS THAN 2 FOR WINDOWS SHORTER THAN 36".

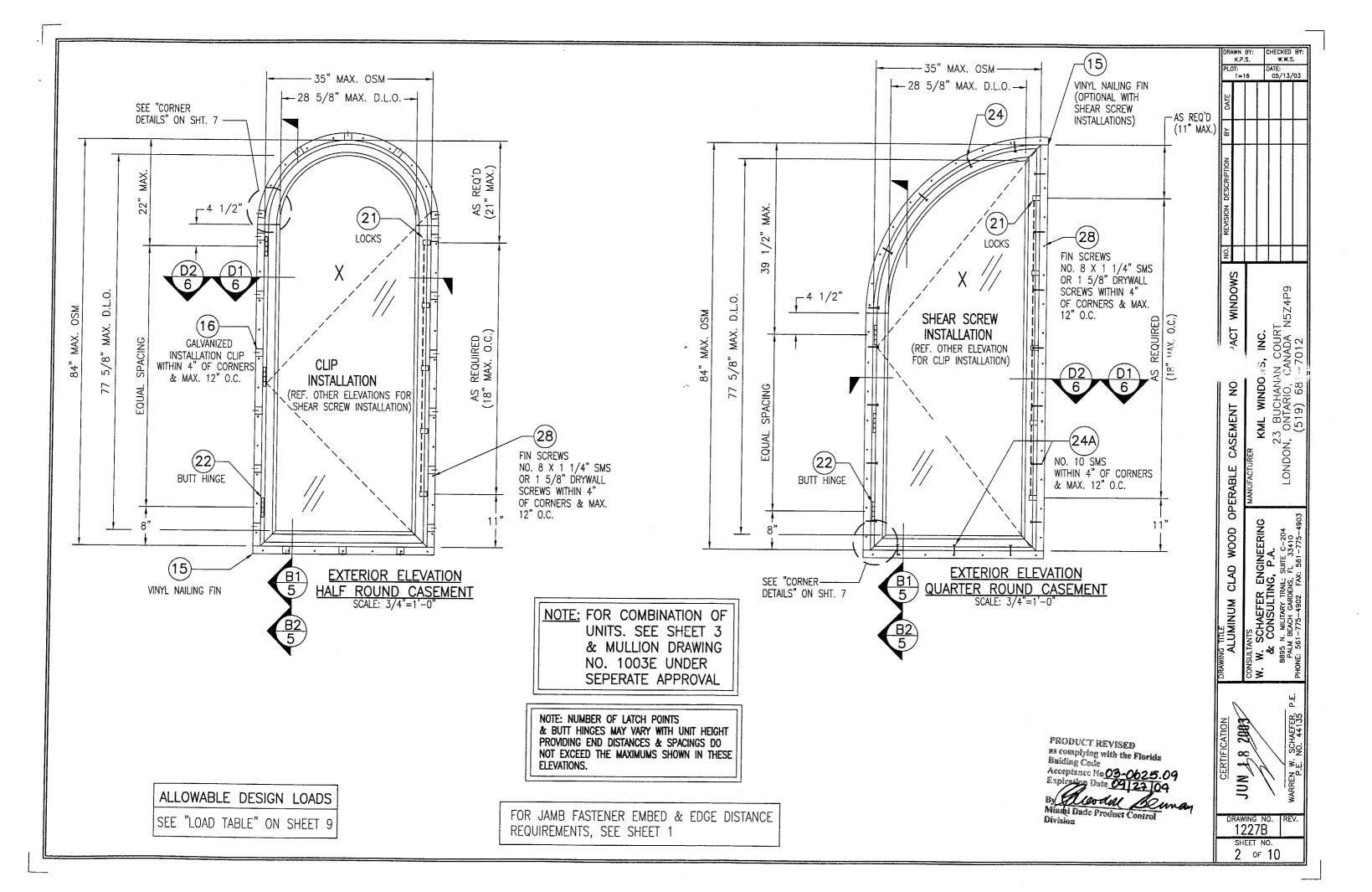
## JAMB FASTENER MIN. EMBEDMENT INTO OPENING OR BUCK

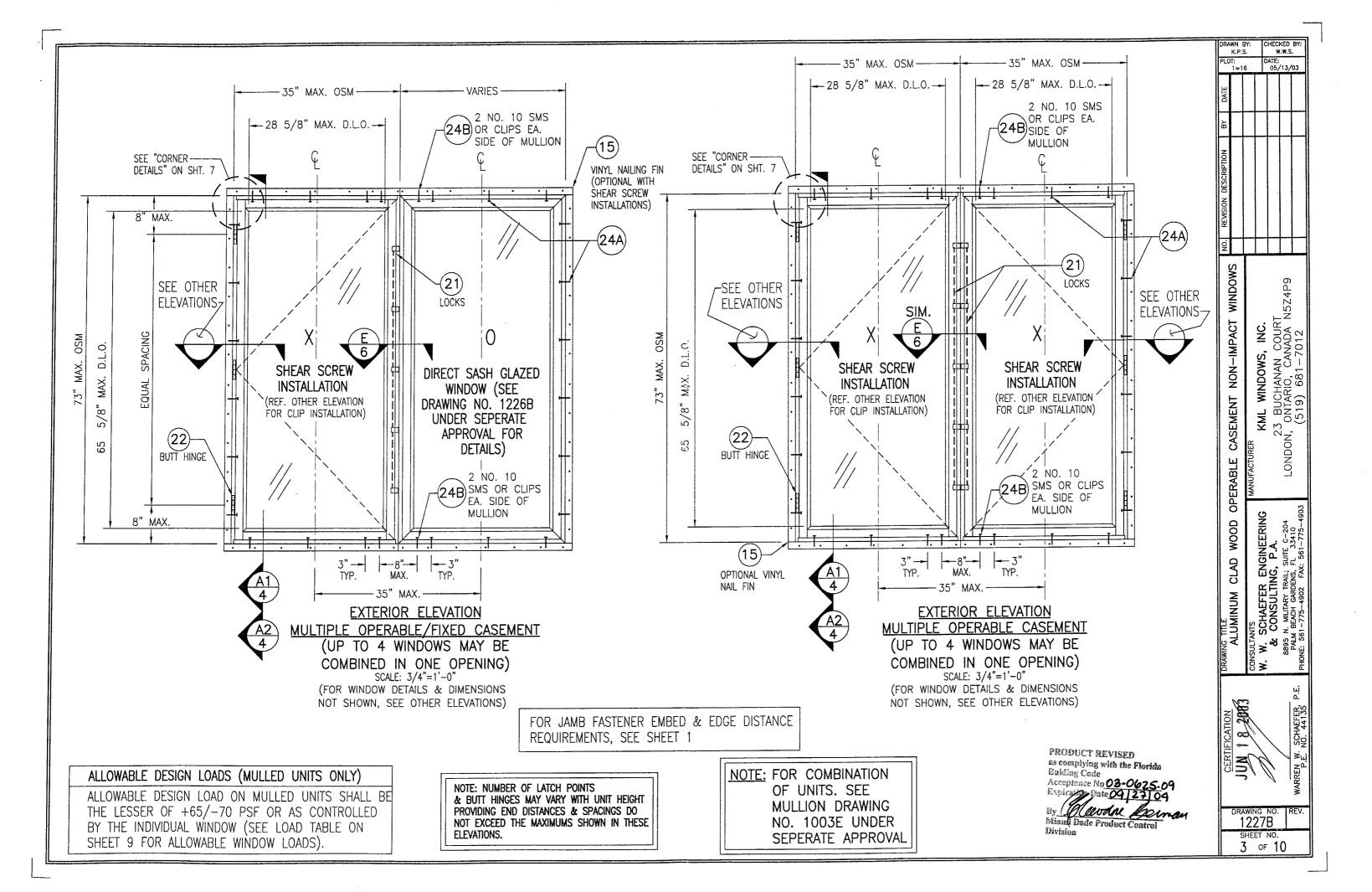
NO. 10 SMS SCREWS INTO BUCK = 1 3/8"
1/4" TAPCON INTO CONCRETE/BLOCK = 1 1/4"

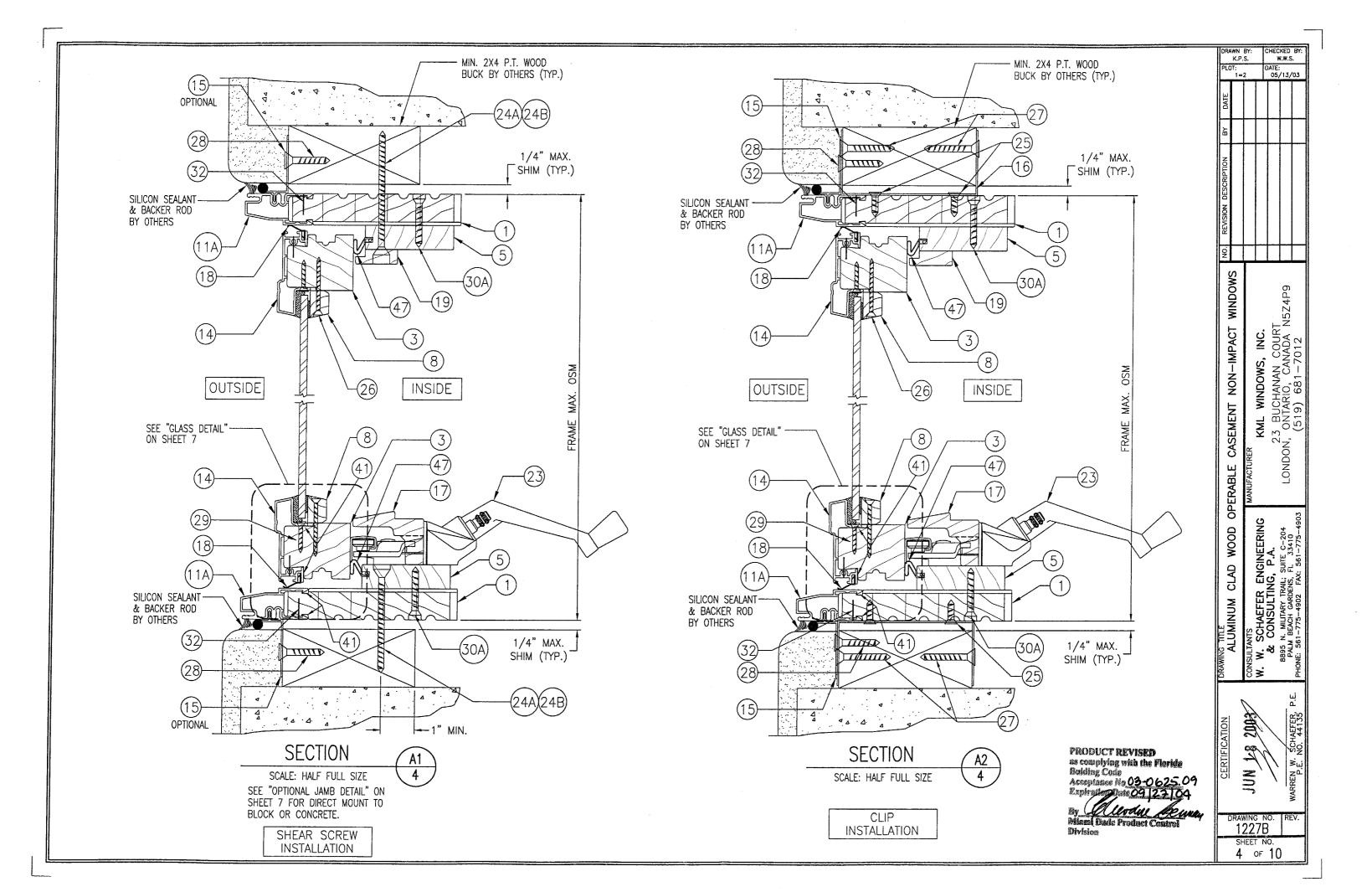
# JAMB FASTENER MINIMUM EDGE DISTANCE AT OPENING OR BUCK

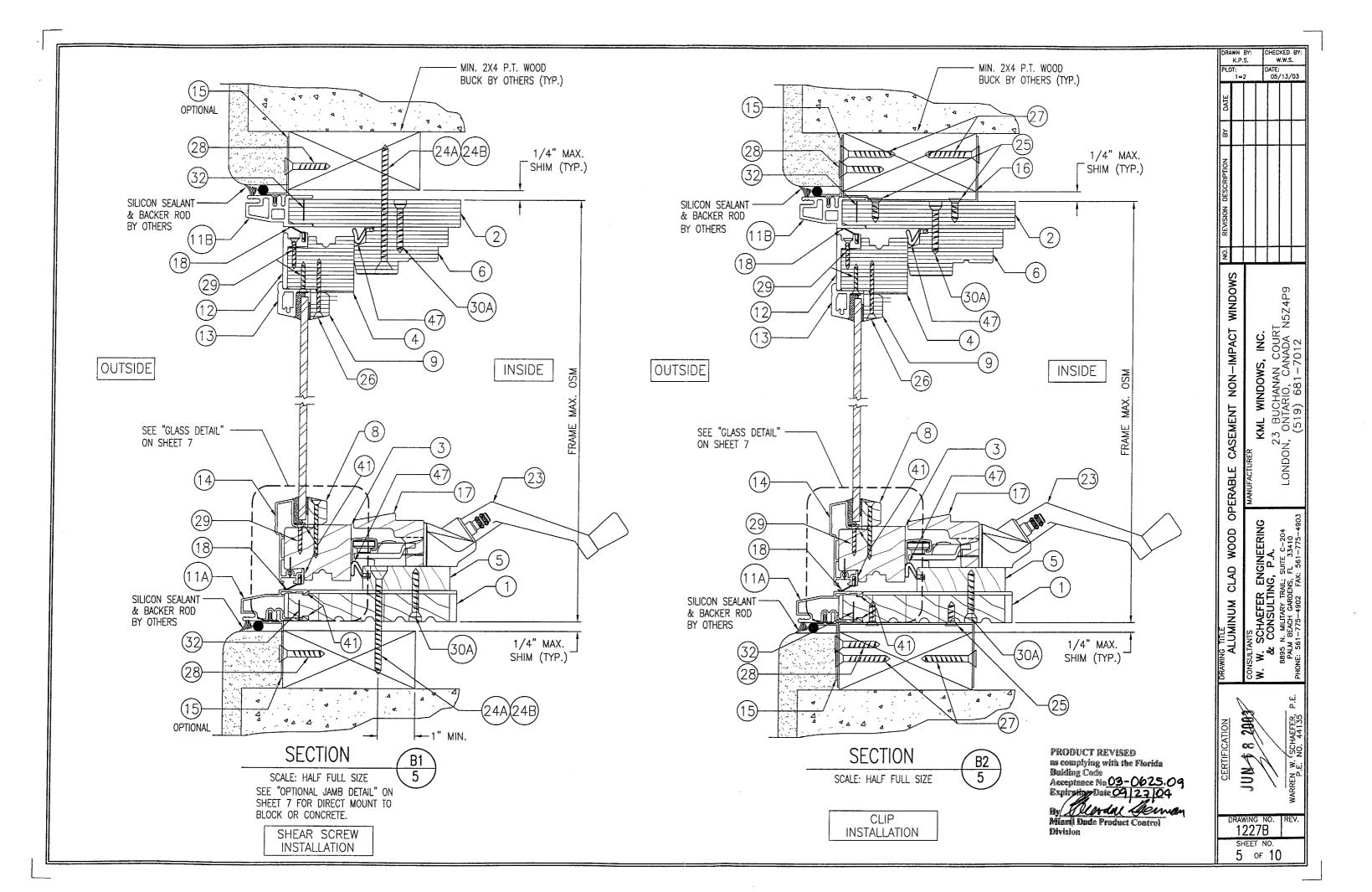
WOOD BUCK = 1" CONCRETE/BLOCK = 2"

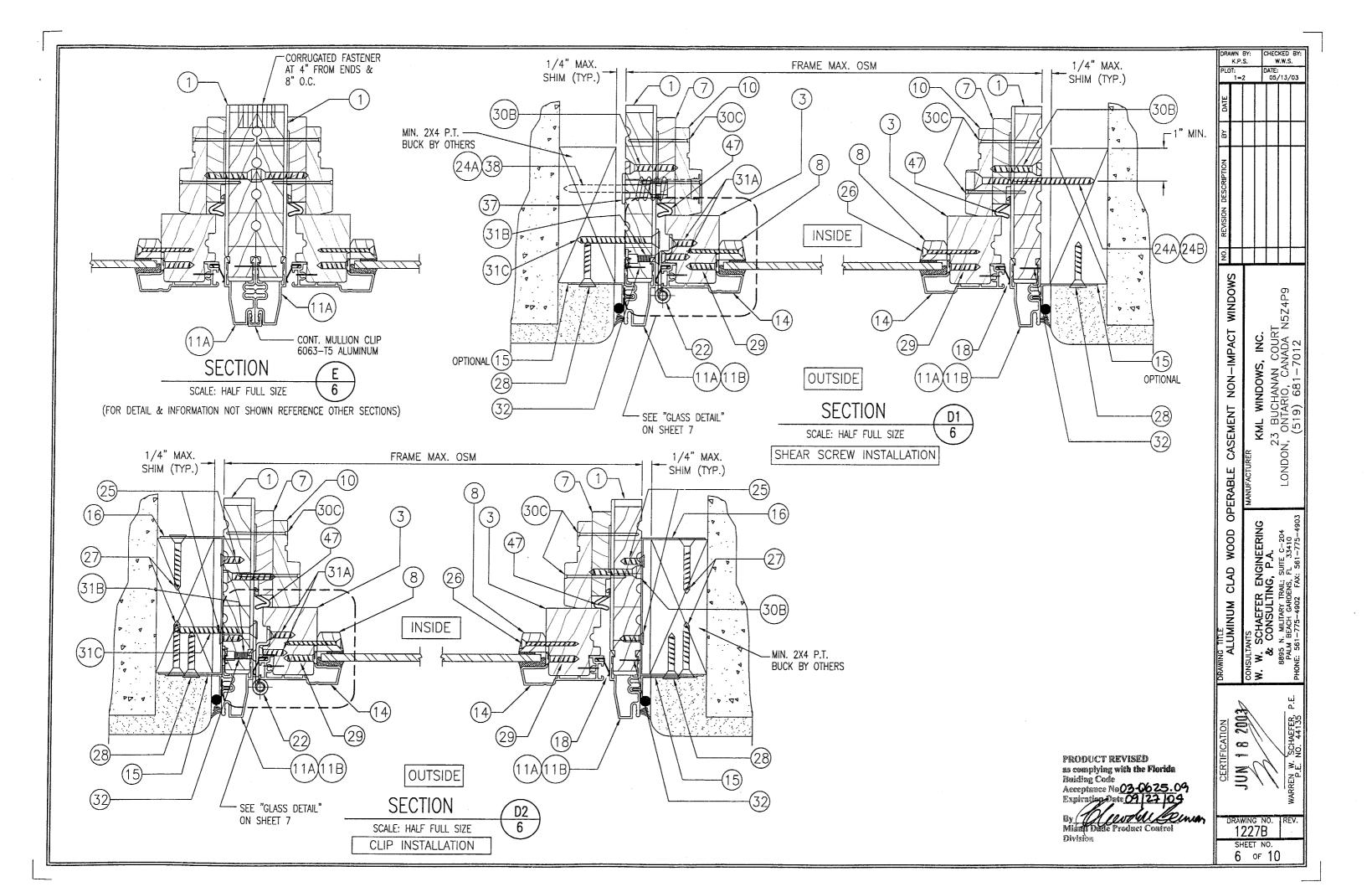


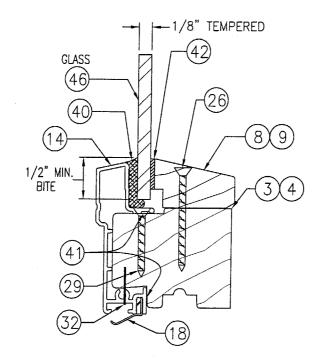






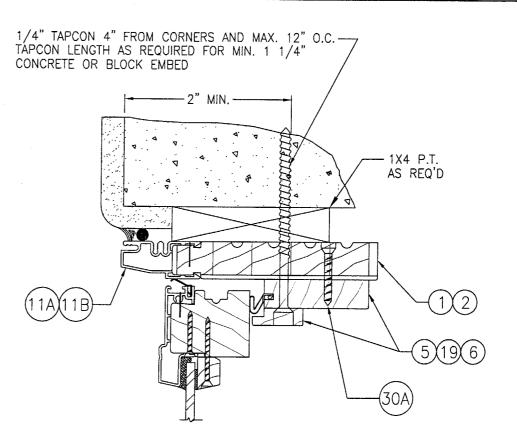






### TYPICAL GLASS & GLAZING DETAIL

SCALE: 3/4 FULL SIZE 1/8" TEMPERED GLASS



CHECKED BY: W.W.S.

DATE: 05/13/03

RAWN BY:

1=2

WINDOWS

CASEMENT NON-IMPACT

OPERABLE

CLAD WOOD

00

DRAWING NO. 1227B

7 of 10

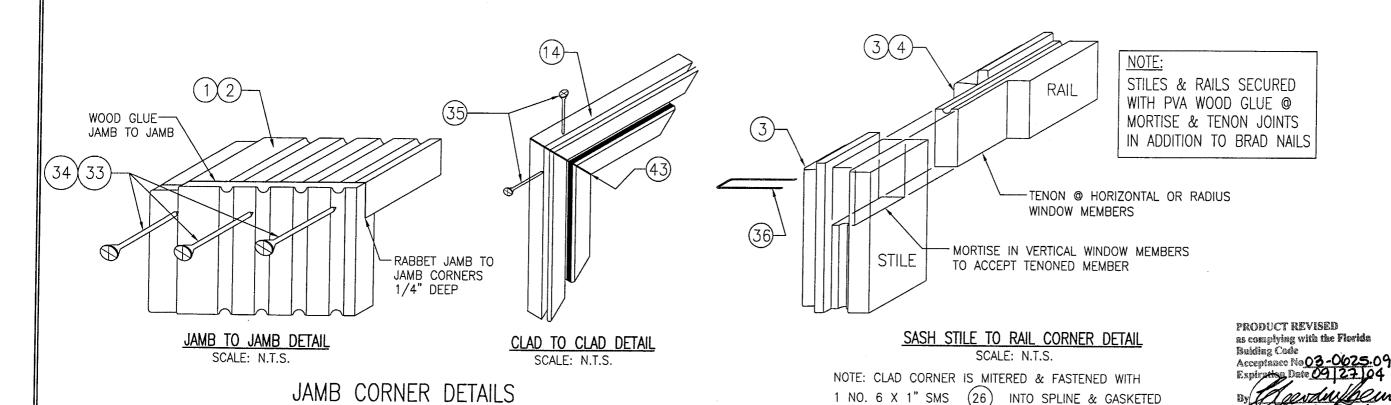
HAEFER ENGINEERING NSULTING, P.A.

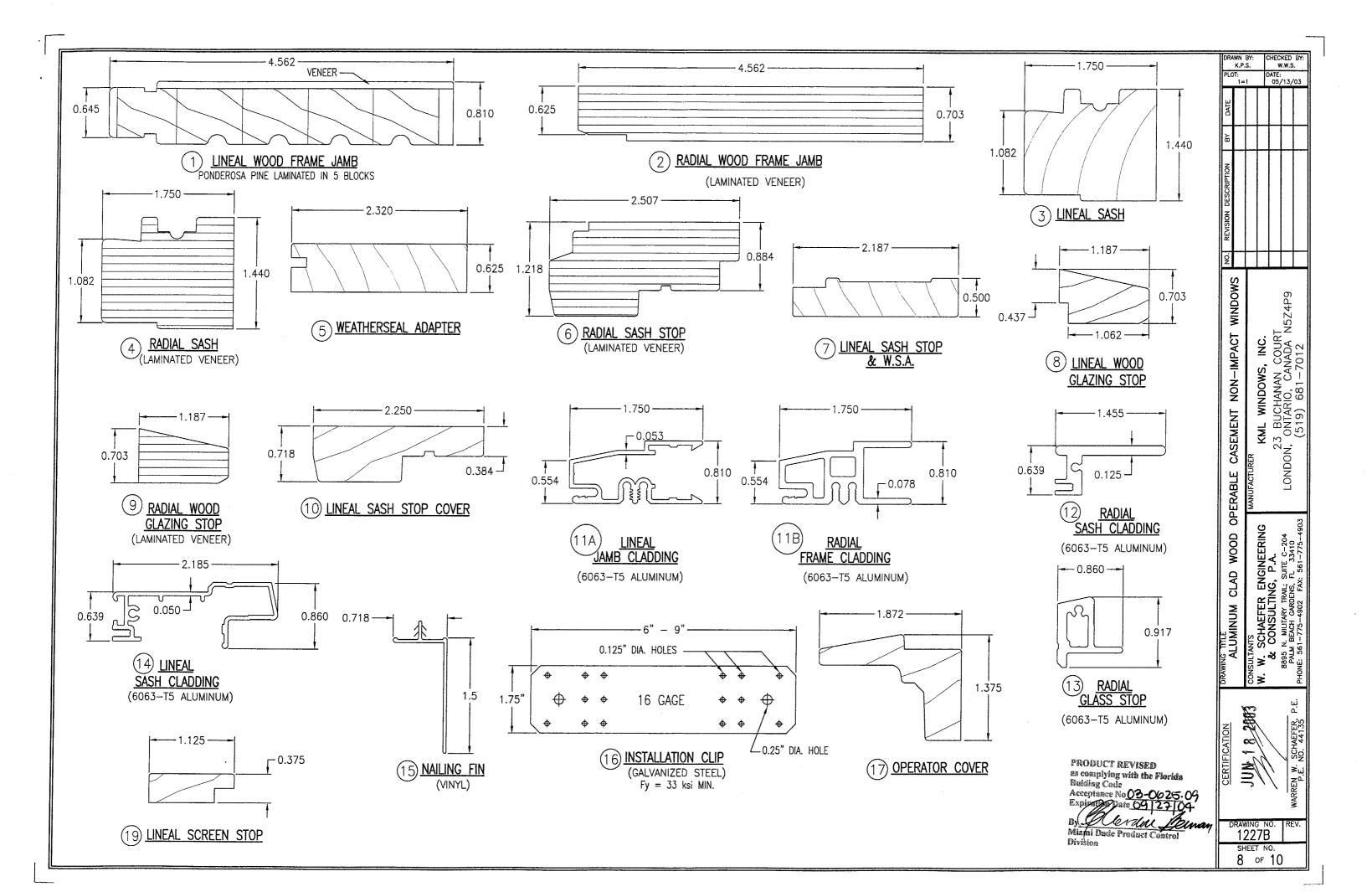
KML WINDOWS, INC.
23 BUCHANAN COURT
LONDON, ONTARIO, CANADA N5Z4P9
(519) 681-7012

# OPTIONAL JAMB DETAIL FOR DIRECT MOUNT TO CONCRETE OR BLOCK

(TYP. ALL UNITS) SCALE: 1/2 FULL SIZE

(SIMILAR TO JAMB CLAD CORNERS)





| DESIGN LOAD CAPACITY (PSF) FOR NON-IMPACT WINDOWS |            |        |        |      |      |           |              |
|---|------------|--------|--------|------|------|-----------|--------------|
| WINDOW :  | SIZE (OSM) | RECTAI | NGULAR | SHA  | PED  | NUMBER OF | NUMBER OF    |
| WIDTH   | T HEIGHT   | POS    | NEG    | POS  | NEG  | HINGES    | LATCH POINTS |
| 20"   |            | 65.0   | 99.1   | 65.0 | 87.5 | 2         | 2            |
| 24"   | 1          | 65.0   | 82.6   | 65.0 | 72.9 | 2         | 2            |
| 28"   | 24"        | 65.0   | 70.8   | 62.5 | 62.5 | 2         | 2            |
| 32"   | 1          | 61.9   | 61.9   | 54.7 | 54.7 | 2         | 2            |
| 35"   | 1          | 56.6   | 56.6   | 50.0 | 50.0 | 2         | 2            |
| 20"   |            | 65.0   | 99.1   | 65.0 | 87.5 | 2         | 2            |
| 24"   |            | 65.0   | 82.6   | 65.0 | 72.9 | 2         | 2            |
| 28"   | 30"        | 65.0   | 70.8   | 62.5 | 62.5 | 2         | 2            |
| 32"   |            | 61.9   | 61.9   | 54.7 | 54.7 | 2         | 2            |
| 35"   |            | 56.6   | 56.6   | 50.0 | 50.0 | 2         | 2            |
| 20"   |            | 65.0   | 99.1   | 65.0 | 87.5 | 2         | 22           |
| 24"   |            | 65.0   | 82.6   | 65.0 | 72.9 | 2         | 22           |
| 28"   | 36"        | 65.0   | 70.8   | 62.5 | 62.5 | 2         | 2            |
| 32"   |            | 61.9   | 61.9   | 54.7 | 54.7 | 2         | 2            |
| 35"   |            | 56.6   | 56.6   | 50.0 | 50.0 | 2         | 2            |
| 20"   |            | 65.0   | 99.1   | 65.0 | 87.5 | 2         | 3            |
| 24"   |            | 65.0   | 82.6   | 65.0 | 72.9 | 2         | 3            |
| 28"   | 42"        | 65.0   | 70.8   | 62.5 | 62.5 | 2         | 3            |
| 32"   |            | 61.9   | 61.9   | 54.7 | 54.7 | 2         | 3            |
| 35"   |            | 56.6   | 56.6   | 50.0 | 50.0 | 2         | 3            |
| 20"   |            | 65.0   | 99.1   | 65.0 | 87.5 | 2         | 3            |
| 24"   |            | 65.0   | 82.6   | 65.0 | 72.9 | 2         | 3            |
| 28"   | 48"        | 65.0   | 70.8   | 62.5 | 62.5 | 2         | 3            |
| 32"   |            | 61.9   | 61.9   | 54.7 | 54.7 | 2         | 3            |
| 35"   |            | 56.6   | 56.6   | 50.0 | 50.0 | 2         | 3            |
| 20"   |            | 65.0   | 96.2   | 65.0 | 85.0 | 3         | 3            |
| 24"   | ,          | 65.0   | 82.6   | 65.0 | 72.9 | 3         | 3            |
| 28"   | 54"        | 65.0   | 70.8   | 62.5 | 62.5 | 3         | 3            |
| 32"   |            | 61.9   | 61.9   | 54.7 | 54.7 | 3         | 3            |
| 35"   |            | 56.6   | 56.6   | 50.0 | 50.0 | 3         | 3            |
| 20"   |            | 65.0   | 94.1   | 65.0 | 83.1 | 3         | 4            |
| 24"   | 60"        | 65.0   | 81.7   | 65.0 | 72.1 | 3         | 4            |
| 28"   | 60"        | 65.0   | 70.8   | 62.5 | 62.5 | 3         | 4            |
| 32"   |            | 61.9   | 61.9   | 54.7 | 54.7 | 3         | 4            |
| 35"   |            | 56.6   | 56.6   | 50.0 | 50.0 | 3         | 4            |

| DESIGN LOAD CAPACITY (PSF) FOR NON-IMPACT WINDOWS |                   |             |      |        |      |           |              |
|---|-------------------|-------------|------|--------|------|-----------|--------------|
| WINDOW SIZE (OSM)                                 |                   | RECTANGULAR |      | SHAPED |      | NUMBER OF | NUMBER OF    |
| WIDTH   | HEIGHT            | POS         | NEG  | POS    | NEG  | HINGES    | LATCH POINTS |
| 20"   |                   | 65.0        | 92.4 | 65.0   | 81.6 | 3         | 4            |
| 24"   |                   | 65.0        | 79.9 | 65.0   | 70.5 | 3         | 4            |
| 28"   | 66"               | 65.0        | 70.8 | 62.5   | 62.5 | 3         | 4            |
| 32"   |                   | 61.9        | 61.9 | 54.7   | 54.7 | 3         | 4            |
| 35"   | 44                | 56.6        | 56.6 | 50.0   | 50.0 | 3         | 4            |
| 20"   |                   | 65.0        | 91.0 | 65.0   | 80.4 | 3         | 5            |
| 24"   | 72"               | 65.0        | 78.4 | 65.0   | 69.2 | 3         | 5            |
| 28"   |                   | 65.0        | 69.5 | 61.4   | 61.4 | 3         | 5            |
| 32"   |                   | 61.9        | 61.9 | 54.7   | 54.7 | 3         | 5            |
| 35"   |                   | 56.6        | 56.6 | 50.0   | 50.0 | 3         | 5            |
| 20"   |                   | 65.0        | 89.9 | 65.0   | 79.4 | 3         | 5            |
| 24"   |                   | 65.0        | 77.2 | 65.0   | 68.2 | 3         | 5            |
| 28"   | 78"               | 65.0        | 68.2 | 60.3   | 60.3 | 3         | 5            |
| 32"   | of the management | 61.7        | 61.7 | 54.5   | 54.5 | 3         | 5            |
| 35"   |                   | 56.6        | 56.6 | 50.0   | 50.0 | 3         | 5            |
| 20"   |                   | 65.0        | 89.0 | 65.0   | 78.6 | 3         | 5            |
| 24"   |                   | 65.0        | 76.2 | 65.0   | 67.3 | 3         | 5            |
| 28"   | 84"               | 65.0        | 67.2 | 59.3   | 59.3 | 3         | 5            |
| 32"   |                   | 60.6        | 60.6 | 53.5   | 53.5 | 3         | 5            |
| 35"   |                   | 56.6        | 56.6 | 50.0   | 50.0 | 3         | 5            |

#### NOTES:

- 1. THE LOADS IN THESE TABLES ARE AS DETERMINED BY TESTING & COMPARATIVE ANALYSIS WITH THE CONTROLLING FACTOR BEING THE WORSE CASE OF: GLASS SIZE & AREA, UNIT AREA, NUMBER OF HINGES, NUMBER OF LOCKING POINTS, NUMBER OF SNUBBERS, OR FASTENER CAPABILITIES.
- 2. THE LOADS IN THESE TABLES MAY NOT BE INTERPOLATED.
- 3. FOR MULLED UNITS AND THERE ALLOWABLE LOADS, REFER TO SHEET 3 OF THIS DRAWING AND/OR MULLION DRAWING 1003E. NO INCREASE IN LOAD FOR JAMB TO JAMB UNREINFORCED MULLED UNITS IS ALLOWED OVER THAT SPECIFIED ON SHEET 3. IF WINDOW SIZE REQUIREMENTS & LOAD REQUIREMENTS DO NOT MEET THOSE SPECIFIED ON SHEET 3, A REINFORCED MULLION MUST BE USED IN ACCORDANCE WITH DRAWING 1003E.

WINDOWS KML WINDOWS, INC.
23 BUCHANAN COURT
N, ONTARIO, CANADA N5Z4P9
(519) 681-7012 CASEMENT NON-IMPACT OPERABLE SCHAEFER ENGINEERING CONSULTING, P.A. STITE ALUMINUM CLAD WOOD 1227B SHEET NO.

9 of 10

CHECKED BY W.W.S.

PRODUCT REVISED
as complying with the Florids
Building Code
Acceptance No 03 0625.09
Expiration Date 09 27 104

By June 100

|                    | MATERIAL LIST          |   |   |  |  |  |  |
|--------------------|------------------------|---|---|--|--|--|--|
| PART<br>NO.        | REF.                   | DESCRIPTION   | NOTES   |  |  |  |  |
| PARTS & EXTRUSIONS |                        |   |   |  |  |  |  |
| 1                  | PF1010                 | LINEAL JAMB   | SEE NOTE 1 THIS SHEET.                                    |  |  |  |  |
| 2                  | PF1231                 | RADIAL JAMB   | LAMINATED VENEER  |  |  |  |  |
| 3                  | PF1007                 | LINEAL SASH   | SEE NOTE 1 THIS SHEET.                                    |  |  |  |  |
| 4                  | PF1015                 | RADIAL SASH   | LAMINATED VENEER  |  |  |  |  |
| 5                  | PF1024                 | WEATHERSEAL ADAPTER                                     | SEE NOTE 1 THIS SHEET.                                    |  |  |  |  |
| 6                  | PF1005                 | RADIAL SASH STOP  | LAMINATED VENEER  |  |  |  |  |
| 7                  | PF1351                 | LINEAL SASH STOP W.S.A.                                 | SEE NOTE 1 THIS SHEET.                                    |  |  |  |  |
| 8                  | PF1008                 | LINEAL GLAZING STOP                                     | SEE NOTE 1  |  |  |  |  |
| 9                  | PF1008                 | RADIAL GLAZING STOP                                     | LAMINATED VENEER  |  |  |  |  |
| 10                 | PF1485                 | LINEAL SASH STOP\COVER                                  | SEE NOTE 1 THIS SHEET.                                    |  |  |  |  |
| 11A                | PF1001                 | LINEAL JAMB CLADDING                                    | ALUMINUM 6063-T5  |  |  |  |  |
| 11B                | PF1002                 | RADIAL JAMB CLADDING                                    | ALUMINUM 6063-T5  |  |  |  |  |
| 12                 | PF1018                 | RADIAL SASH CLADDING                                    | ALUMINUM 6063-T5  |  |  |  |  |
| 13                 | PF1017                 | RADIAL GLASS STOP                                       | ALUMINUM 6063-T5  |  |  |  |  |
| 14                 | PF1074                 | LINEAL SASH CLADDING                                    | ALUMINUM 6063-T5  |  |  |  |  |
| 15                 | PF1214<br>OR<br>PF1326 | VINYL NAILING FINS                                      | OPTIONAL WITH SHEAR SCREW INSTALLATION                    |  |  |  |  |
| 16                 | SK1031                 | GALV. 16 GA. STEEL INSTALLATION CLIP (Fy = 33 KSI MIN.) | GALVANIZED STEEL, INC.<br>MAX. 4" FROM CORNERS & 12" O.C. |  |  |  |  |
| 17                 | PF1009                 | OPERATOR COVER  | SEE NOTE 1 THIS SHEET.                                    |  |  |  |  |
| 18                 | PF1026                 | 0.415" X 0.489" RAINSKIRT                               | SCHLEGEL: EXTRUDED FLEXIBLE COPOLYMER                     |  |  |  |  |
| 19                 | PF1012                 | LINEAL SCREEN STOP                                      | SEE NOTE 1 THIS SHEET.                                    |  |  |  |  |
| 20                 | _                      | OPEN  |   |  |  |  |  |
| 21                 | _                      | CONCEALED MULTI-POINT LOCK                              | MIRAGE 16 SERIES MULTI-POINT SYSTEM                       |  |  |  |  |
| 22                 | SK1002                 | KML S.S. BUTT HINGE                                     | FOR USE WITH ALL WINDOW SHAPES                            |  |  |  |  |
| 23                 | _                      | SINGLE ARM OPERATOR                                     | TRUTH HARDWARE ENTRYGUARD OR EQUAL                        |  |  |  |  |
|                    | FASTENERS              |   |   |  |  |  |  |
| 24A                | _                      | #10 SMS JAMB SHEAR SCREW                                | WITHIN 4" FROM CORNERS & MAX. 12" O.C.                    |  |  |  |  |
| 24B                |                        | #10 SMS JAMB SHEAR SCREW                                | 1 ADDITIONAL EA. SIDE OF MULLION ENDS                     |  |  |  |  |
| 25                 | _                      | #8 x 5/8" PAN HEAD SMS SCREW                            | 2 PER CLIP INTO JAMB                                      |  |  |  |  |
| 26                 | -                      | #6 X 1 5/8" SMS SCREW                                   | WITHIN 3" FROM CORNERS & MAX. 8" O.C.                     |  |  |  |  |
| 27                 | -                      | #8 x 1 1/4" SMS SCREW                                   | 2 PER CLIP INTO BUCK (1 EA. SIDE OF BUCK)                 |  |  |  |  |
| 28                 | _                      | S.S. #8 x 1 1/4" SMS SCREW<br>OR 1 5/8" DRYWALL SCREWS  | WITHIN 4" FROM ENDS & MAX. 10 1/2" O.C. WITH FIN          |  |  |  |  |
| 29                 | -                      | #6 x 3/4" SMS SCREW                                     | WITHIN 3" FROM CORNERS & 8" O.C.                          |  |  |  |  |

|             |                         | MATERI   | AL LIST  |
|-------------|-------------------------|--|--|
| PART<br>NO. | REF.<br>NO.             | DESCRIPTION                                    | NOTES  |
| 30A         | _                       | #8 x 1 1/4" SMS SCREW 4"                       | FROM CORNERS & 8" O.C. (AT RADIAL SASH STOPS)                                  |
| 30B         | _                       | #8 x 1" SMS SCREW 4"                           | FROM CORNERS & 8" O.C. (AT LINEAL SASH STOPS)                                  |
| 30C         | _                       | F-14 X 1 5/8" BRAD NAILS                       | 2 @ 4" FROM CORNERS & 8" O.C. @ SIDES  |
| 31A         | _                       | #8 X 1" SMS SCREW                              | 5 PER HINGE LEAF INTO SASH (S/S OR BRASS)                                      |
| 31B         | _                       | 10-24 FH MACH SCREW W/T-NUT                    | 2 PER HINGE LEAF INTO JAMB (S/S OR BRASS)                                      |
| 31C         | _                       | #10 x 3" SMS SCREW                             | 2 PER HINGE LEAF INTO BUCK (S/S OR BRASS)                                      |
| 32          | _                       | 3/8" LONG STAPLE                               | WITHIN 3" FROM CORNERS & MAX. 8" O.C   |
| 33          | _                       | #8 x 2" SMS SCREW                              | 3 @ EACH RECTANGULAR JAMB CORNER   |
| 34          | _                       | #8 x 1 1/2" SMS SCREW                          | 3 @ EACH RADIUS JAMB CORNER  |
| 35          | _                       | #6 x 3/4" SMS SCREW                            | 2 @ EACH CLAD CORNER INTO CLAD SPLINES   |
| 36          | -                       | 16 GA. x 1 1/2" LONG STAPLE                    | 1 @ EXTERIOR SIDE OF SASH STILE & RAIL MORTISE & TENON CONNECTION              |
| 37          |                         | JAMB JACK III                                  | TRUTH HARDWARE NO. 21150: @ HINGE JAMB<br>1 WITH EA. JAMB JACK SCREW           |
| 38          | - International Control | JAMB JACK III SCREW                            | TRUTH HARDWARE NO. 21171: @ HINGE JAMB 3.15" LONG; 1 PER WINDOW @ SHAPED UNITS |
|             | ·                       | SE   | ALANTS   |
| 40          | _                       | DOW 995 SILICONE                               | FOR 1/2" GLAZING BITE  |
| 41          | _                       | STRUCTURAL SILICONE ADHESIVE                   | DOW 1199 CONTINUOUS CLADDING TO JAMB   |
|             |                         | OT   | HER  |
| 42          |                         | NORTON NORGLAZE<br>.0625" X .437" GLAZING TAPE | POLYOLEFIN FOAM W/ ACRYLIC ADHESIVE  |
| 43          | -                       | TREMCO 440 BUTYL TAPE GASKET                   | TRIM OFF AT EDGES (TYP. AT JAMB & SASH CLAD CORNERS)                           |
| 46          | _                       | 1/8" THICK TEMPERED GLASS                      |  |
| 47          | PF1013                  | FRAME WEATHERSEAL                              | MONSANTO "SANTOPRENE": FOAMED ELASTOMERIC                                      |

ALL WOOD USED WITH TESTED UNITS IS MINIMUM GRADE 2 PONDEROSA PINE (JAMBS ARE 5-BLOCK LAMINATED STAGE BLOCK). ALTERNATE WOOD SPECIES ACCEPTABLE WITH THIS PRODUCT ARE THE FOLLOWING MINIMUM GRADE 2 WOODS: (JAMBS MUST BE 5-BLOCK LAMINATED):

- 1. MAHOGANY
- 2. OAK
- 3. CHERRY
- 4. CYPRUS
- 5. DOUGLAS FIR
- 6. MAPLE
- 7. TEAK

PRODUCT REVISED

DRAWING NO. 1227B SHEET NO. 10 or 10

OPERABLE CASEMENT NON-IMPACT WINDOWS

CHECKED BY DATE: 05/13/03